

Hossam M Zawbaa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

2,240
citations

23
h-index

46
g-index

76
ext. papers

3,001
ext. citations

3.6
avg, IF

5.71
L-index

#	Paper	IF	Citations
73	Modeling and sensitivity analysis of grid-connected hybrid green microgrid system. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101679	4.4	6
72	The dynamic impact of biomass and natural resources on ecological footprint in BRICS economies: A quantile regression evidence. <i>Energy Reports</i> , 2022 , 8, 1979-1994	4.6	25
71	Drivers of environmental degradation in Turkey: Designing an SDG framework through advanced quantile approaches. <i>Energy Reports</i> , 2022 , 8, 2008-2021	4.6	14
70	An improved wild horse optimization algorithm for reliability based optimal DG planning of radial distribution networks. <i>Energy Reports</i> , 2022 , 8, 582-604	4.6	10
69	Interconnection and damping assignment passivity-based non-linear observer control for efficiency maximization of permanent magnet synchronous motor. <i>Energy Reports</i> , 2022 , 8, 1350-1361	4.6	0
68	Effect of mutation and vaccination on spread, severity, and mortality of COVID-19 disease. <i>Journal of Medical Virology</i> , 2022 , 94, 197-204	19.7	10
67	Does information and communication technology impede environmental degradation? fresh insights from non-parametric approaches.. <i>Heliyon</i> , 2022 , 8, e09108	3.6	4
66	Effect of cryogenic treatment on drill tool for enhancing metal cutting operation of aluminium alloy IS737.Gr19000. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 1488-1501	5.5	0
65	Adopting Scenario-Based approach to solve optimal reactive power Dispatch problem with integration of wind and solar energy using improved Marine predator algorithm. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101726	4.4	3
64	Improvement of active distribution systems with high penetration capacities of shunt reactive compensators and distributed generators using Bald Eagle Search. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101792	4.4	2
63	Residential Demand Side Management model, optimization and future perspective: A review. <i>Energy Reports</i> , 2022 , 8, 3727-3766	4.6	5
62	Home energy management system considering effective demand response strategies and uncertainties. <i>Energy Reports</i> , 2022 , 8, 5256-5271	4.6	2
61	Improved Squirrel Search Algorithm Driven Cascaded 2DOF-PID-FOI Controller for Load Frequency Control of Renewable Energy Based Hybrid Power System. <i>IEEE Access</i> , 2022 , 10, 46372-46391	3.5	2
60	A hybrid machine learning technique for feature optimization in object-based classification of debris-covered glaciers. <i>Ain Shams Engineering Journal</i> , 2022 , 13, 101809	4.4	1
59	Analysis of Power Quality issues of different types of household applications. <i>Energy Reports</i> , 2022 , 8, 5370-5386	4.6	2
58	Generalized regression neural network and fitness dependent optimization: Application to energy harvesting of centralized TEG systems. <i>Energy Reports</i> , 2022 , 8, 6332-6346	4.6	0
57	A study of the possible factors affecting COVID-19 spread, severity and mortality and the effect of social distancing on these factors: Machine learning forecasting model. <i>International Journal of Clinical Practice</i> , 2021 , 75, e14116	2.9	8

56	An improved crow search algorithm for solving numerical optimization functions. <i>Soft Computing</i> , 2021 , 25, 9441-9454	3.5	5
55	A novel global harmony search algorithm for solving numerical optimizations. <i>Soft Computing</i> , 2021 , 25, 2837-2849	3.5	3
54	In vitro and in vivo performance modelling and optimisation of different dry powder inhalers: A complementary study of neural networks, genetic algorithms and decision trees. <i>International Journal of Clinical Practice</i> , 2021 , 75, e13764	2.9	3
53	An evaluation of different bio-inspired feature selection techniques on multivariate calibration models in spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 119042	4.4	4
52	COVID-19 prediction using LSTM algorithm: GCC case study. <i>Informatics in Medicine Unlocked</i> , 2021 , 23, 100566	5.3	12
51	Bacillus Calmette-Guérin vaccine, antimalarial, age and gender relation to COVID-19 spread and mortality. <i>Vaccine</i> , 2020 , 38, 5564-5568	4.1	19
50	Impact of Lévy flight on modern meta-heuristic optimizers. <i>Applied Soft Computing Journal</i> , 2019 , 75, 775-789	7.5	34
49	Feature selection via Lévy Antlion optimization. <i>Pattern Analysis and Applications</i> , 2019 , 22, 857-876	2.3	33
48	Large-dimensionality small-instance set feature selection: A hybrid bio-inspired heuristic approach. <i>Swarm and Evolutionary Computation</i> , 2018 , 42, 29-42	9.8	73
47	Experienced Gray Wolf Optimization Through Reinforcement Learning and Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 681-694	10.3	96
46	Applications of Flower Pollination Algorithm in Feature Selection and Knapsack Problems. <i>Studies in Computational Intelligence</i> , 2018 , 217-243	0.8	7
45	Computational intelligence modelling of pharmaceutical tableting processes using bio-inspired optimization algorithms. <i>Advanced Powder Technology</i> , 2018 , 29, 2966-2977	4.6	21
44	Multi-objective retinal vessel localization using flower pollination search algorithm with pattern search. <i>Advances in Data Analysis and Classification</i> , 2017 , 11, 611-627	1.8	21
43	Feature selection approach based on whale optimization algorithm 2017 ,		40
42	Diagnosis of breast cancer using secured classifiers 2017 ,		2
41	A proposed whale search algorithm with adaptive random walk 2017 ,		7
40	Hybrid Biometrics and Watermarking Authentication. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 2017 , 37-61	0.3	
39	Binary grey wolf optimization approaches for feature selection. <i>Neurocomputing</i> , 2016 , 172, 371-381	5.4	656

38	Feature Selection via Chaotic Antlion Optimization. <i>PLoS ONE</i> , 2016 , 11, e0150652	3-7	96
37	Computational Intelligence Modeling of the Macromolecules Release from PLGA Microspheres-Focus on Feature Selection. <i>PLoS ONE</i> , 2016 , 11, e0157610	3-7	20
36	A Fish Detection Approach Based on BAT Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 273-283	0-4	7
35	Impact of Chaos Functions on Modern Swarm Optimizers. <i>PLoS ONE</i> , 2016 , 11, e0158738	3-7	45
34	Binary ant lion approaches for feature selection. <i>Neurocomputing</i> , 2016 , 213, 54-65	5-4	249
33	2016 ,		11
32	Feature selection approach based on moth-flame optimization algorithm 2016 ,		43
31	A hybrid dragonfly algorithm with extreme learning machine for prediction 2016 ,		18
30	Sine cosine optimization algorithm for feature selection 2016 ,		55
29	Retinal blood vessel localization approach based on bee colony swarm optimization, fuzzy c-means and pattern search. <i>Journal of Visual Communication and Image Representation</i> , 2015 , 31, 186-196	2-7	26
28	Firefly Optimization Algorithm for Feature Selection 2015 ,		36
27	Feature Subset Selection Approach by Gray-Wolf Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 1-13	0-4	77
26	RoadMonitor: An Intelligent Road Surface Condition Monitoring System. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 377-387	0-4	23
25	Feature selection based on antlion optimization algorithm 2015 ,		40
24	A wrapper approach for feature selection based on swarm optimization algorithm inspired from the behavior of social-spiders 2015 ,		4
23	An innovative approach for feature selection based on chicken swarm optimization 2015 ,		25
22	Automated zebrafish-based toxicity test using Bat optimization and AdaBoost classifier 2015 ,		6
21	Hybrid Monkey Algorithm with Krill Herd Algorithm optimization for feature selection 2015 ,		10

20	Hybrid flower pollination algorithm with rough sets for feature selection 2015 ,		7
19	Attribute reduction approach based on modified flower pollination algorithm 2015 ,		13
18	A rough set-based reasoner for medical diagnosis 2015 ,		1
17	Automatic Fruit Image Recognition System Based on Shape and Color Features. <i>Communications in Computer and Information Science</i> , 2014 , 278-290	0.3	20
16	Retinal vessel segmentation based on possibilistic fuzzy c-means clustering optimised with cuckoo search 2014 ,		26
15	Retinal Vessel Segmentation Based on Flower Pollination Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 93-100	0.4	12
14	Retinal blood vessel segmentation using bee colony optimisation and pattern search 2014 ,		22
13	An automatic flower classification approach using machine learning algorithms 2014 ,		7
12	2014 ,		26
11	Rough Power Set Tree for Feature Selection and Classification: Case Study on MRI Brain Tumor. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 259-270	0.4	1
10	Networks Community Detection Using Artificial Bee Colony Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 229-239	0.4	15
9	Automatic Nile Tilapia fish classification approach using machine learning techniques 2013 ,		30
8	A Cattle Identification Approach Using Live Captured Muzzle Print Images. <i>Communications in Computer and Information Science</i> , 2013 , 143-152	0.3	26
7	Blind Watermark Approach for Map Authentication Using Support Vector Machine. <i>Communications in Computer and Information Science</i> , 2013 , 84-97	0.3	4
6	PCA-based home videos annotation system. <i>International Journal of Reasoning-based Intelligent Systems</i> , 2011 , 3, 71	0.4	10
5	SVM-based soccer video summarization system 2011 ,		22
4	Machine Learning-Based Soccer Video Summarization System. <i>Communications in Computer and Information Science</i> , 2011 , 19-28	0.3	23
3	HSAS: Heart Sound Authentication System 2010 ,		9

2 **2010,**

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1 Soccer video summarization using enhanced logo detection **2009,**

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